

<b>Name of the Faculty</b>	<b>Area of Research (Systems/Networks/ Software Engineering/ Theory/Data Science)</b>	<b>Possible Topic of PhD Thesis</b>
Ramprasad S. Joshi	Theory	Analysis of Heuristics and Algorithms and NLP
Snehanshu Saha	Data Science	Bayesian Generative Networks, Theory of Optimization in Deep Learning, Approximation theory in Neural Networks, Applied Deep Learning in Biology and Assistive Systems
Sougata Sen	Systems	Mobile and wearable based digital biomarker monitoring and triggering adaptive interventions
Kanchan Manna	Systems	Network-on-Chip based Systems, Computer Architecture, and Binary Program Analysis
Swati Agarwal	Data Science	NLP, Social Media/Network Analytics, and Computational Biology with NLP
Swaroop Joshi	Software Engineering	Computing Education Research
Sanjay K. Sahay	Data Science and Networks	Malware analysis/identification and Efficient security protocol using light weight cryptography primitive
A Baskar	Theory	Automata Theory, Logic, and Security Protocol Verification
Soumyadip Bandyopadhyay	Theory, Software Engineering, and Systems	Translation Validation, CPS verification, High level synthesis, and Education Technology
Sujith Thomas	Data Science	Applications of Computational Modeling in Cognitive Science
Shubhangi Gawali	Systems	Energy efficient scheduling algorithms
Biju K Raveendran	Systems	Design of Fault tolerant, Energy Efficient Multi-core/Multi-processor Architecture, Scheduler for Mixed Criticality Systems
Vinayak Naik	Networks and Data Science	IoT and Use of ML/AI on the IoT Data
Basabdatta Sen Bhattacharya	Data Science	Spiking Neural Networks for machine vision